

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/020923 A3

(51) International Patent Classification⁷: **A61K 31/47,**
31/19, 39/395

(21) International Application Number:
PCT/US2004/028071

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/498,849 29 August 2003 (29.08.2003) US
60/568,910 7 May 2004 (07.05.2004) US

(71) Applicant (*for all designated States except US*):
CEDARS-SINAI MEDICAL CENTER [US/US];
8700 Beverly Boulevard, Los Angeles, CA 90048-1865
(US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **AGUS, David, B.**
[US/US]; 522 North Crescent Drive, Beverly Hills, CA
90210 (US). **JAIN, Anjali** [IN/US]; 1670 Manning Av-
enue, Apartment 107, Los Angeles, CA 90024 (US). **HED-**
VAT, Michael [US/US]; 5460 White Oak Avenue E-335,
Encino, CA 91316 (US).

(74) Agents: **LEVY, Seth, D.** et al.; Davis Wright Tremaine
LLP, 865 Figueroa Street, Suite 2400, Los Angeles, CA
90017-2566 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

(88) Date of publication of the international search report:
20 October 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITION AND METHOD FOR THE TREATMENT OF CANCER AND OTHER PHYSIOLOGIC CONDI-
TIONS BASED ON MODULATION OF THE PPAR-GAMMA PATHWAY AND HER-KINASE AXIS

(57) Abstract: Described herein are methods of using a NSAID and a HER-kinase axis inhibitor in the treatment of various condi-
tions including cancer, and especially prostate, breast, lung, ovarian, brain and colon cancers, through regulation of PPAR γ activity.
In various embodiments, the NSAID and HER-kinase axis inhibitor may be included in a composition that is useful for the treatment
of conditions in a mammal. Also described is a kit including a NSAID and a HER-kinase axis inhibitor along with instructions for
their use in treating and preventing disease conditions, such as cancer.



WO 2005/020923 A3